

# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/593,892  
Source: IFWP  
Date Processed by STIC: 10/3/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 10/03/2006

PATENT APPLICATION: US/10/593,892

TIME: 08:55:42

Input Set : F:\seqlist.txt

Output Set: N:\CRF4\10032006\J593892.raw

```

3 <110> APPLICANT: INOKO, Hidetoshi, et al.
5 <120> TITLE OF INVENTION: MARKER GENE FOR ARTHORRHEUMATISM TEST
7 <130> FILE REFERENCE: WING-004
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/593,892
C--> 9 <141> CURRENT FILING DATE: 2006-09-22
9 <160> NUMBER OF SEQ ID NOS: 66
11 <170> SOFTWARE: Patent In version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 121
15 <212> TYPE: DNA
16 <213> ORGANISM: Homo sapiens
18 <220> FEATURE:
19 <221> NAME/KEY: variation
20 <222> LOCATION: (61)..(61)
21 <223> OTHER INFORMATION: /gene="TNXB"
22     /replace="A"
23     /replace="G"
24     /db_xref="dbSNP:2242569"
26 <400> SEQUENCE: 1
27 ggacagggac gggcagcccc aggtggtgcg tgtcaggggc gaggagagcg aggtcaccgt      60
28 rgggggcctg gagcccgggc gcaaatacaa gatgcatctg tacggcctcc acgaggggca      120
29 g                                                                    121
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 121
33 <212> TYPE: DNA
34 <213> ORGANISM: Homo sapiens
36 <220> FEATURE:
37 <221> NAME/KEY: variation
38 <222> LOCATION: (61)..(61)
39 <223> OTHER INFORMATION: /gene="TNXB"
40     /replace="A"
41     /replace="G"
42     /db_xref="dbSNP:2075563"
44 <400> SEQUENCE: 2
45 tccttcaccg tgcagtacaa ggacagggac gggcagcccc aggtggtgcg tgtcaggggc      60
46 raggagagcg aggtcaccgt ggggggcctg gagcccgggc gcaaatacaa gatgcatctg      120
47 t                                                                    121
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 121
51 <212> TYPE: DNA
52 <213> ORGANISM: Homo sapiens
54 <220> FEATURE:
55 <221> NAME/KEY: variation

```

## RAW SEQUENCE LISTING

DATE: 10/03/2006

PATENT APPLICATION: US/10/593,892

TIME: 08:55:42

Input Set : F:\seqlist.txt

Output Set: N:\CRF4\10032006\J593892.raw

```

56 <222> LOCATION: (61)..(61)
57 <223> OTHER INFORMATION: /gene="TNXB"
58     /replace="C"
59     /replace="A"
60     /db_xref="dbSNP:2269428"
62 <400> SEQUENCE: 3
63 ccccaggaaa ggatgaagaa atggccccag cctcgacaga acctcccacc cctgaacccc      60
64 mcatcaagcc tcgcctggag gagctgaccg tgacagatgc gacccctgac tccctcagcc      120
65 t                                          121
67 <210> SEQ ID NO: 4
68 <211> LENGTH: 121
69 <212> TYPE: DNA
70 <213> ORGANISM: Homo sapiens
72 <220> FEATURE:
73 <221> NAME/KEY: variation
74 <222> LOCATION: (61)..(61)
75 <223> OTHER INFORMATION: /gene="TNXB"
76     /replace="A"
77     /replace="T"
78     /db_xref="dbSNP:3749960"
80 <400> SEQUENCE: 4
81 gtgaccccat cctcgtgtcc cggcacccgc accgccttgg gctgcccata cccattctta      60
82 wactggacca agaaatggtc aaactggccc tcggggactg tccaggagag gctgagggag      120
83 t                                          121
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 801
87 <212> TYPE: DNA
88 <213> ORGANISM: Homo sapiens
90 <220> FEATURE:
91 <221> NAME/KEY: variation
92 <222> LOCATION: (401)..(401)
93 <223> OTHER INFORMATION: /gene="TNXB"
94     /replace="C"
95     /replace="T"
96     /db_xref="dbSNP:185819"
98 <400> SEQUENCE: 5
99 agtctggctg cccctcagcc ctggagtggg gccgggaagc tggagtcagc tgtcttgctg      60
100 ggggacccca gctggttttg ggctgaaggg aagtgtgcat ggggctgaga aggggtcaca      120
101 tgggggctga ggtggctgct actcaccagt ggtgccatcg gccgtgaggg ggccataccg      180
102 cttcttgctt gcaattccaa acagagtga tctgtacttg tggtcagggg ccagtgagga      240
103 gacaacaaat gaacgctcgg gcccttccac aggtaccacc tggggccgct catccctgtc      300
104 cctgtactgg accatgaagg tgtcaaactg gccctcaggg acagtccagg agaggtgcag      360
105 tgaatctggg gtagggctctg tcaccacag gtttcccagg yggggtgagg tccctggact      420
106 tgggtcactc tgaggcacta ggaagagtgg gtagagagaa gggagagact taggtccaag      480
107 gagaatgggg aagccaaatc ccacatagga atgctgtgtg aggctgtgca ggttggtcac      540
108 tgcacaaaag tgcatttgcg gagggagtac agagggactg aaatccagcc agcactctgc      600
109 ttgccgagct gtgtgccctg gtgaggagtg gtgtccactt taaggaatgg gtgccttctt      660
110 tcaaacggca tggaagcact gcgtggacta gtgtggctct gcctccaacc acaaaccaga      720
111 gcagcagggg gcttcagaaa gaggggagcc cagccaggcc ctttcacatc tccatagcca      780

```

## RAW SEQUENCE LISTING

DATE: 10/03/2006

PATENT APPLICATION: US/10/593,892

TIME: 08:55:42

Input Set : F:\seqlist.txt

Output Set: N:\CRF4\10032006\J593892.raw

```

112 gggaaatctt cccagtacaa c                                     801
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 995
116 <212> TYPE: DNA
117 <213> ORGANISM: Homo sapiens
119 <220> FEATURE:
120 <221> NAME/KEY: variation
121 <222> LOCATION: (495)..(495)
122 <223> OTHER INFORMATION: /gene="NOTCH4"
123     /replace="A"
124     /replace="G"
125     /db_xref="dbSNP:520688"
127 <400> SEQUENCE: 6
128 tgctagaaac ggctccctct gtcctctgcc tcaggtgagc agtgccagct tcgggacttc      60
129 tgttcagcca acccatgtgt taatggaggg gtgtgtctgg ccacgtaccc ccagatccag      120
130 tgccactgcc caccgggctt cgagggccat gcctgtgaac gtgatgtcaa cgagtgttc      180
131 caggaccagc gaccctgccc caaaggcacc tcctgccata acacctggg ctccttccag      240
132 tgcctctgcc ctgtggggca ggagggtcca cgttgtgagc tgcgggcagg acctgcctt      300
133 cctaggggct gttcgaatgg gggcacctgc cagctgatgc cagagaaaga ctccacctt      360
134 cacctctgcc tctgtcccc aggtgtgtcc tcacaggggc tctccggccg cccctctctc      420
135 tgggcagggc aggatgtctc cgttggagcc tcctcccaca gctgatccat gacctgtca      480
136 ggtttcatag gccrggctg tgaggtgaat ccagacaact gtgtcagcca ccaatgtcag      540
137 aatgggggca cttgccagga tgggctggac acctacacct gcctctgccc agaaacctgg      600
138 acaggtgagt tgtttaagcc acatccatga caccatggc ccagagagtt ggcccctggc      660
139 cccccctact catagggtc ccagccttag ccctcgtccc ccccccaacc cctgcaggc      720
140 tgggactgct ccgaagatgt ggatgagtgt gaggcccagg gtccccctca ctgcagaaac      780
141 gggggcacct gccagaactc tgctggtagc ttctactgcg tgtgtgtgag tggctggggg      840
142 ggcacaagct gtgaggagaa cctggatgac tgtattgctg ccacctgtgc cccgggatcc      900
143 acctgcattg accgggtggg ctctttctcc tgctctgccc cacctggacg cacaggtatg      960
144 ggggtagagg gtatcaggag gtgggaggta gagaa                               995
146 <210> SEQ ID NO: 7
147 <211> LENGTH: 121
148 <212> TYPE: DNA
149 <213> ORGANISM: Homo sapiens
151 <220> FEATURE:
152 <221> NAME/KEY: variation
153 <222> LOCATION: (61)..(61)
154 <223> OTHER INFORMATION: /gene="NOTCH4"
155     /replace="A"
156     /replace="G"
157     /db_xref="dbSNP:2071284"
159 <400> SEQUENCE: 7
160 actccacctt tcacctctgc ctctgtcccc caggtgtgtc ctcacagggg ctctccggcc      60
161 rccctctct ctgggcaggg caggatgtct ccgttgagc ctcctccac agctgatcca      120
162 t                               121
164 <210> SEQ ID NO: 8
165 <211> LENGTH: 121
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapiens

```

## RAW SEQUENCE LISTING

DATE: 10/03/2006

PATENT APPLICATION: US/10/593,892

TIME: 08:55:42

Input Set : F:\seqlist.txt

Output Set: N:\CRF4\10032006\J593892.raw

```

169 <220> FEATURE:
170 <221> NAME/KEY: variation
171 <222> LOCATION: (61)..(61)
172 <223> OTHER INFORMATION: /gene="NOTCH4"
173     /replace="A"
174     /replace="G"
175     /db_xref="dbSNP:2071283"
177 <400> SEQUENCE: 8
178 caacgagtgc ttccaggacc caggaccctg ccccaaaggc acctcctgcc ataacaccct      60
179 rggctccttc cagtgcctct gccctgtggg gcaggagggt ccacgttggt agctgcgggc      120
180 a                                     121
182 <210> SEQ ID NO: 9
183 <211> LENGTH: 121
184 <212> TYPE: DNA
185 <213> ORGANISM: Homo sapiens
187 <220> FEATURE:
188 <221> NAME/KEY: variation
189 <222> LOCATION: (61)..(61)
190 <223> OTHER INFORMATION: /gene="NOTCH4"
191     /replace="C"
192     /replace="T"
193     /db_xref="dbSNP:2071282"
195 <400> SEQUENCE: 9
196 cgggcttcga gggccatgcc tgtgaacgtg atgtcaacga gtgcttccag gacccaggac      60
197 yctgccccaa aggcacctcc tgccataaca ccctgggctc cttccagtgc ctctgccctg      120
198 t                                     121
200 <210> SEQ ID NO: 10
201 <211> LENGTH: 121
202 <212> TYPE: DNA
203 <213> ORGANISM: Homo sapiens
205 <220> FEATURE:
206 <221> NAME/KEY: variation
207 <222> LOCATION: (61)..(61)
208 <223> OTHER INFORMATION: /gene="NOTCH4"
209     /replace="C"
210     /replace="T"
211     /db_xref="dbSNP:2071281"
213 <400> SEQUENCE: 10
214 taatggaggg gtgtgtctgg ccacataccc ccagatccag tgccactgcc caccgggctt      60
215 ygaggggccat gcctgtgaac gtgatgtcaa cgagtgtctc caggaccag gacctgccc      120
216 c                                     121
218 <210> SEQ ID NO: 11
219 <211> LENGTH: 801
220 <212> TYPE: DNA
221 <213> ORGANISM: Homo sapiens
223 <220> FEATURE:
224 <221> NAME/KEY: variation
225 <222> LOCATION: (401)..(401)
226 <223> OTHER INFORMATION: /gene="NOTCH4"

```

## RAW SEQUENCE LISTING

DATE: 10/03/2006

PATENT APPLICATION: US/10/593,892

TIME: 08:55:42

Input Set : F:\seqlist.txt

Output Set: N:\CRF4\10032006\J593892.raw

```

227      /replace="A"
228      /replace="G"
229      /db_xref="dbSNP:415929"
231 <400> SEQUENCE: 11
232 cagcatggtg ccacctgagt ctctgcctg cagacgtggg gtgcttttca cctcccccaa      60
233 gatcacccac gtcccagatt ttctcaggca aggccaattt gcaatactct catcatcact      120
234 ttagaagata tggtcactcc agataaaccc tccaagcca tgacatcgct cagagcaggg      180
235 gtgatggaac agagcaaaga aagtatggta ataaagggaa ggaaatatga aaatgagacc      240
236 cagagataat ccagagtgag cactgggtaa cctcagatgg gctagaattc gtacaatgct      300
237 agaaacggct ccctctgtcc tctgcctcag gtgagcagtg ccagcttcgg gacttctggt      360
238 cagccaaccc atgtgttaat ggaggggtgt gtctggccac rtacccccag atccagtgcc      420
239 actgcccacc gggcttcgag ggccatgcct gtgaacgtga tgtcaacgag tgcttccagg      480
240 acccaggacc ctgccccaaa ggcacctcct gccataacac cctgggctcc ttccagtgcc      540
241 tctgccctgt ggggcaggag ggtccacgtt gtgagctgcg ggcaggaccc tgccctccta      600
242 ggggctgttc gaatgggggc acctgccagc tgatgccaga gaaagactcc acctttcacc      660
243 tctgcctctg tccccaggt gtgtcctcac aggggctctc cgcccgcccc tctctctggg      720
244 cagggcagga tgtctccgtt ggagcctcct cccacagctg atccatgacc ctgtcaggtt      780
245 tcataggccc gggctgtgag g
246                                     801
247 <210> SEQ ID NO: 12
248 <211> LENGTH: 801
249 <212> TYPE: DNA
250 <213> ORGANISM: Homo sapiens
252 <220> FEATURE:
253 <221> NAME/KEY: variation
254 <222> LOCATION: (401)..(401)
255 <223> OTHER INFORMATION: /gene="NOTCH4"
256      /replace="A"
257      /replace="C"
258      /db_xref="dbSNP:915894"
260 <400> SEQUENCE: 12
261 gacctgccag tgagtgtgcc ttgcaggagt gggagactgg agagaaaggg ggagggagag      60
262 caggggggga gaggtgagga agtgagacca aagaagaaag agaggaagtg aaggagatga      120
263 agggaaacaa atgaaggcag aggagggagt gggcaagaat aggaagaggg accagtgatg      180
264 tgagtfttcc tctcctccc tgcccagggt tgcccctggc ttcctgggtg agacgtgcca      240
265 gtttctgac ccctgccaga acgcccagct ctgccaaaat ggaggcagct gccaagccct      300
266 gcttcccgt cccctagggc tcccagctc tccctctcca ttgacacca gcttcttgtg      360
267 cacttgctc cctggcttca ctggtgagag atgccaggcc magcttgaag acccttgtcc      420
268 tccctccttc tgttccaaaa ggggcgctg ccacatccag gcctcgggcc gccacagtg      480
269 ctctgcatg cctggatgga caggtaaagc ctgctggggg cagccaggag gggacaggca      540
270 ggagcaatgg gctaggctgt ggggtgggaa gatagaactg gagcctgaga aactgcaagc      600
271 cctttgaaga cagaagccat gagaatcaac atgccaatc ttggcaatcc acttaccac      660
272 aaccaacatt caccagcatg gttgtactga ttgctaaaat gttaaaatat ttccaaatta      720
273 agggtgccat gagccccctt tgtgcaccat cctgatgcct gttctagccc ctttaatctc      780
274 cccattgcct agcagctaga a
275                                     801
276 <210> SEQ ID NO: 13
277 <211> LENGTH: 801
278 <212> TYPE: DNA
279 <213> ORGANISM: Homo sapiens
281 <220> FEATURE:

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/593,892

DATE: 10/03/2006

TIME: 08:55:43

Input Set : F:\seqlist.txt

Output Set: N:\CRF4\10032006\J593892.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date